



Graver Technologies

Filtration | Separation | Purification

## SC™ Single-Cartridge Filter Series



SCR Ring Closure Housing



SCB Bolt Closure Housing

### Single Cartridge Filter Housings

The SC Series of single cartridge metal filter housings are available in 304L or 316L stainless steel with either bolt or ring seal closure to service a wide range of general purpose filter applications. The SCR Ring Closure Series provide superior design features to serve higher pressure applications, allow full sump drainage and utilize a wider range of cartridge configurations. The SCB Bolt Closure Series is an economical design for double open ended cartridges.

#### General Features

- Single shell construction for quick spill-free cartridge replacement
- In-line pipe connections for easy installation in 1/2, 3/4 and 1 inch pipe sizes
- Drains built in
- Rated for flow rates to 7 GPM (26.5 lpm) per 10 inch filter cartridge length
- Mounting brackets are available
- Housing pressure drop is 0.6 psid at 7gpm

### Housing Types and Features

#### SCR—Single Cartridge Housing with Ring Seal Closure

- Superior design accommodates most cartridges, higher pressure and complete housing drainage
- High pressure seal design supports pressures to 300 psi (20.7 bar) @ 200°F (93°C)
- Center rod is eliminated to permit the use of double open end or single open end cartridges
- Tapered housing bottom permits complete drainage
- Model available for 222 and 226 O-ring style cartridge in all 316L stainless steel

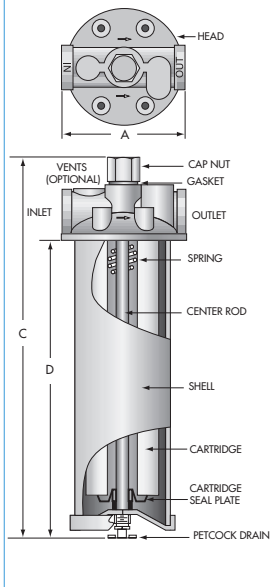
#### SCB—Single Cartridge Housing with Bolt Closure

- Economical design accommodates DOE cartridges
- Optional T-handle available for sump removal
- Temperature rated to 250°F (121°C) and 250 psi (17.23 bar) maximum pressure

#### Applications

- Process water
- Potable liquids
- Petro chemicals
- Coolants
- Hydraulic oils
- Solvents

## SCB Bolt Closure



## Selection and Ordering Guide for SC Series Housings (Select one from each column)

Model	Cartridge Length	Material of Construction	Inlet/Outlet Size (inches)	Connector	Gasket	Legend
SCB	09 - 9-3/4"	BSS	050 - 0.50"	DOE	B- Buna-N	SCB - Single Cartridge - Bolt Closure
SCR	10 - 10"	304L*	075 - 0.75"	222**	E- EPDM	SCR - Single Cartridge - Ring Closure
	20 - 20"	316L	100 - 1.00"	226**	S- Silicone	
	30 - 30"				T- Teflon	
	40 - 40"				V- Viton	

**Example of a Typical PowerGuard SC Filter Housing Selection**

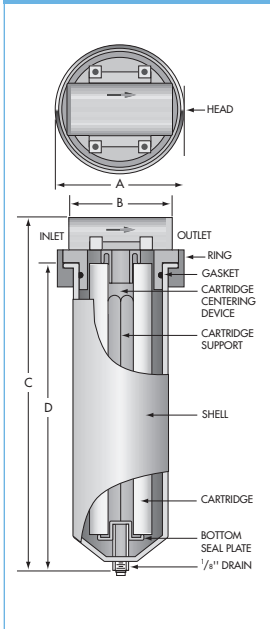
SCR - 10 - BSS - 075 - DOE - E

\* Not available in SCR \*\* Available as 316L only

## SC Series Housing Dimensions Inches (cm)

Model	A	B	C	D
SCB-09	4 1/8 (10.5)	-	13 3/4 (34.9)	11 (27.9)
SCB-10	4 1/8 (10.5)	-	13 3/4 (34.9)	11 (27.9)
SCB-20	4 1/8 (10.5)	-	23 3/4 (60.3)	21 (53.3)
SCB-30	4 1/8 (10.5)	-	33 3/4 (85.7)	31 (78.7)
SCR-09	4 1/2 (11.4)	3 5/16 (8.4)	13 1/8 (33.3)	11 3/8 (28.9)
SCR-10	4 1/2 (11.4)	3 7/16 (8.7)	13 1/4 (33.7)	11 1/2 (29.2)
SCR-20	4 1/2 (11.4)	3 7/16 (8.7)	23 1/4 (59.1)	21 1/2 (54.6)
SCR-30	4 1/2 (11.4)	3 7/16 (8.7)	33 1/4 (84.5)	31 1/2 (80.0)
SCR-10-222/226	4 1/2 (11.4)	3 7/16 (8.7)	18 (45.7)	16 1/4 (41.8)
SCR-20-222/226	4 1/2 (11.4)	3 7/16 (8.7)	28 (71.1)	26 1/4 (66.7)
SCR-30-222/226	4 1/2 (11.4)	3 7/16 (8.7)	38 (96.5)	36 1/4 (92.1)

## SCR Ring Closure



## SC Series Housing Specifications

Model	Cartridge Length Inches (cm)	Rated Capacity GPM (LPM)	Shipping Weight lbs (kg)	Cartridge End cap type	Maximum* Pressure PSIG (bar)	Maximum Temp., °F (°C)
SCB-09	9 3/4 (12.4)	4 (15.1)	5 (2.3)	DOE	250 (17.2)	250 (121.1)
SCB-10	10 (25.4)	7 (26.5)	7 (3.2)	DOE	250 (17.2)	250 (121.1)
SCB-20	20 (50.8)	14 (53.0)	10 (4.5)	DOE	250 (17.2)	250 (121.1)
SCB-30	30 (76.2)	21 (79.5)	12 (5.4)	DOE	250 (17.2)	250 (121.1)
SCR-9	10 (25.4)	7 (26.5)	7 (3.2)	DOE	300 (20.7)	200 (93.3)
SCR-10	10 (25.4)	7 (26.5)	7 (3.2)	DOE	300 (20.7)	200 (93.3)
SCR-20	20 (50.8)	14 (53.0)	10 (4.5)	DOE	300 (20.7)	200 (93.3)
SCR-30	30 (76.2)	21 (79.5)	12 (5.4)	DOE	300 (20.7)	200 (93.3)

## For more information

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